

06.25.04

Express Mail No. EU687958457US  
Attorney Docket No.: AM-9230  
JFW



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

RE APPLICATION OF: Soo Young Choi et al.

SERIAL NO.: 10/829,016

FILED: April 30, 2004

FOR: CONTROLLING THE PROPERTIES AND  
UNIFORMITY OF A SILICON NITRIDE FILM  
BY CONTROLLING THE FILM  
FORMING PRECURSORS

§ GROUP ART UNIT: Unknown

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§ EXAMINER: Unknown

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§ Attorney Docket No.:

§ AM-9230

Date: June 23, 2004

**INFORMATION DISCLOSURE STATEMENT**  
**TRANSMITTAL LETTER**

**Hon. Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**

Sir:

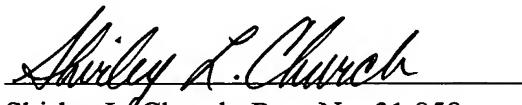
Applicants are submitting the subject Information Disclosure Statement under 37 CFR § 1.97(b)(1). This Information Disclosure Statement is being submitted within three (3) months of the filing date of the subject application.

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**CERTIFICATE OF MAILING UNDER 37 CFR § 1.10**

I hereby certify that this paper is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as U.S. EXPRESS MAIL NO. EU687958457US in an envelope addressed to: Mail Stop DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: June 23, 2004

  
Shirley L. Church, Reg. No. 31,858

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Applicants do not believe that any fee is due in connection with the filing of this Information Disclosure Statement under 37 CFR § 1.97(b)(1). However, in the event that any additional fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 50-1512 of Shirley L. Church, Sunnyvale, California, in the amount of such fee.

This transmittal letter is submitted in duplicate for accounting purposes.

Respectfully submitted,

  
\_\_\_\_\_  
Shirley L. Church  
Registration No. 31,858  
Attorney for Applicants

Correspondence Address:  
Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450-A  
Santa Clara, California 95052



Express Mail No. EU687958447US  
Attorney Docket No.: AM-9230

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Soo Young Choi et al.

§ GROUP ART UNIT: Unknown

SERIAL NO.: 10/829,016

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FOR: CONTROLLING THE PROPERTIES AND  
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§ Attorney Docket No.:  
§ AM-9230

Date: June 23, 2004

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR § 1.97(b)(1)**

**Hon. Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450**

Sir:

In accordance with 37 CFR § 1.97(b)(1), applicants hereby request consideration of this Information Disclosure Statement. This Information Disclosure Statement is being submitted within three (3) months of the filing date of the subject application. Applicants are providing herewith a copy of each document cited on the attached Form PTO-1449.

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**CERTIFICATE OF MAILING UNDER 37 CFR § 1.10**

I hereby certify that this paper is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as U.S. EXPRESS MAIL NO. EU687958457US in an envelope addressed to: Mail Stop DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Date: June 23, 2004

*Shirley L. Church*

Shirley L. Church, Reg. No. 31,858

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The submission of this Information Disclosure Statement and Form PTO-1449 is not an admission that the art cited is "prior art" with respect to the present invention, nor is it a representation that no better art exists. Applicants hereby reserve the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and the situation warrant such an action.

If the Examiner has any questions, s/he is respectfully requested to contact the undersigned attorney at the telephone number set forth below.

Respectfully submitted,

  
\_\_\_\_\_  
Shirley L. Church  
Registration No. 31,858  
Attorney for Applicants  
(650) 473-9700

Correspondence Address:  
Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450-A  
Santa Clara, California 95052



FORM PTO-1449  
(Equivalent)

U.S. Department of Commerce  
Patent and Trademark Office

U.S. Application Serial No.  
10/829,016

Atty. Docket No.  
AM-9230

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Soo Young Choi et al.  
Applicants

April 30, 2004  
Filing Date

## Unknown Group

## U. S. PATENT DOCUMENTS

<u>Examiner Initial</u>	<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>	<u>Class</u>	<u>Subclass</u>	<u>Filing Date If Appropriate</u>
	5,399,387	03/21/95	Law et al.	427	574	
	5,928,732	07/27/99	Law et al.	427	579	

## U. S. PATENT APPLICATION DOCUMENTS

<u>Examiner Initial</u>	<u>Document Number</u>	<u>Publication Date</u>	<u>Name</u>	<u>Class</u>	<u>Subclass</u>	<u>Filing Date</u>
	2002/0146879	10/10/02	Fu et al.	438	230	12/21/01

## FOREIGN PATENT DOCUMENTS

<u>Examiner Initial</u>	<u>Document Number</u>	<u>Publication Date</u>	<u>Name</u>	<u>Class</u>	<u>Subclass</u>	<u>Translation (If Appropriate)</u>
	EP 1168427	01/02/02	Tan et al.	H01L	21/318	

Examiner \_\_\_\_\_ Date Considered \_\_\_\_\_

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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- S. K. Kim et al., "A Novel Self-Aligned Coplanar Amorphous Silicon Thin Film Transistor", ISSN0098-0966X/98/2901 (1998).
- L. Kyung-ha, "A Study on Laser Annealed Polycrystalline Silicon Thin Film Transistors (TFTs) with SiNx Gate Insulator", Kyung Hee University, Ch. 2 & 4 (1998).
- Y. Park, "Bulk and interface properties of low-temperature silicon nitride films deposited by remote plasma enhanced chemical vapor deposition", Journal of Materials Science: Materials in Electronics, Vol. 12, pp. 515 - 522 (2001).
- A. Sazonov et al., "Low Temperature a-Si:H TFT on Plastic Films: Materials and Fabrication Aspects", Proc. 23<sup>rd</sup> International Conference on Microelectronics (MIEL 2002), Vol. 2, Niš, Yugoslavia (May 2002).
- D. B. Thomasson et al., "High Mobility Tri-Layer a-Si:H Thin Film Transistors with Ultra-Thin Active Layer", 1997 Society for Information Display International Symposium Digest of Technical Papers, Vol. 28, pp. 176 - 179 (May 1997).

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Examiner	Date Considered
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